



April 2019

GALTtraffic

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Of Wood and Wires

A Recap of Our March Gathering

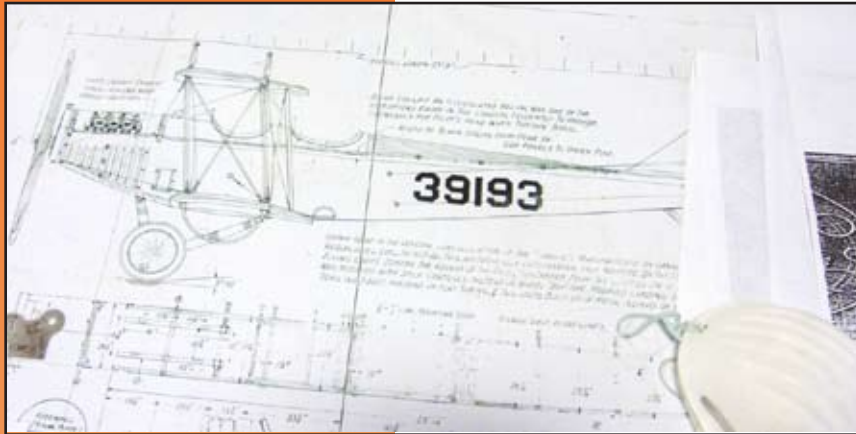
The Chapter's March Gathering took place at the EAA 1414 chapter's hangar at Poplar Grove Airport. Their member, Steve McGreevy, served as our guide to the chapter's Curtiss Jenny project and gave us a tour of their workshops and meeting facilities.

Steve pointed out that the goal of the Jenny project is to promote the nearby *Vintage Wings and Wheels Museum*. The EAA chapter has 10 to 12 members actively working on the project, with several working on it full time. While trying to stay true to Curtiss's original drawings, they made minor changes for practicality and efficiency. Where original drawings were lacking, they researched other Jennys and created CAD plans for some assemblies. For anyone truly "fluent in Jenny," Steve stressed that the aim is to build a near-perfect flying Curtiss Jenny, as opposed to a museum-quality, static replica.



With the support from the museum, work began in April 2017. They plan to cover and paint the airplane during next winter, intending to have the Jenny complete and flying in Spring of 2020. That's an incredible timetable, considering that everything, except the engine and small hardware, is being completely built in-house!

Steve related that the greatest expenses have been the engine, radiator and the many small turnbuckles that you can spot in some of the accompanying

Of Wood and Wire continued...

Examining the forming and welding of the Jenny's motor mount.



Some of the many turnbuckles needed on the Jenny's fuselage

Click here for more photos of our visit to EAA Chapter 1414's Curtiss Jenny project

photos. Over 200 of them have been needed at a cost of about \$30 per unit!

The 1915 engine, recovered from an actual Jenny, is a liquid-cooled V-8 power plant that produces just 90 horsepower. It is being rebuilt in-house.

The greatest challenge to date has been the engine's radiator which must be fabricated of 5,000 short copper tubes. Each round tube is approximately 3" long and requires that each end be expanded and squared to have 4 flat sides before being horizontally stacked and soldered together. Ultimately, air will pass through the tubes, cooling the water that will flow over and between them to cool the engine.

So far, the Jenny project has required hand carving and other woodworking skills, metal forming and welding abilities, CNC routing, water jet cutting, gluing, soldering, varnishing and a boatload of patience! Add the research time and detective skills needed to solve occasional surprises that crop up during the building process and you have some remarkable teamwork.

Steve acknowledged the phenomenal resources that the chapter has on-site, along with members who possesses skills, tooling and time necessary to complete a project in such a short period. Besides the museum, Poplar Grove Airport is home to 400 aircraft, many with vintage pedigrees, and an adjacent fly-in community, all of which add up to be assets to the chapter's work.



Steve explains the construction of a wrapped scarf joint.

When our visit ended, many of us made the short drive over to the Hydeout Bar and Grill for a pleasant lunch and genial banter before heading home.

Our thanks to EAA 1414's Steve McGreevy for presenting a super project update and tour, and for his patience and humor in answering all of our questions. Great job, Steve! 🛩️



The President's Page



Arnie Quast, President, EAA Chapter 932

EAA Chapter 932 Contact Info

President: Arnie Quast
president@eaa932.org

Vice President: Bill Tobin
vp@eaa932.org

Secretary: Paul Sedlacek
secretary@eaa932.org

Treasurer: Justin Thuma
treasurer@eaa932.org

Membership Chair:
Chad Genengels
members@eaa932.org

Young Eagles Coordinator:
Daniella Knoll
youngeagles@eaa932.org

Webmaster: Meira Leonard
webmaster@eaa932.org

Editor: Jerry Thomas
editor@eaa932.org

Justin Thuma Steps in as Chapter Treasurer

Justin Thuma has recently stepped up to be our new chapter Treasurer. Please take a moment to welcome "JT" to this role. I would like to thank Joe Feigel for his time as treasurer. We really appreciate the time that Joe devotes to volunteering for our chapter!

Greetings Chapter Members,

Things have been busy with our chapter as we all plugged through the winter months! On March 9, we had a very enjoyable chapter gathering that took us out to Poplar Grove Airport where we visited EAA Chapter 1414's Curtiss Jenny project. Their Jenny build is an amazing undertaking with many very dedicated Chapter 1414 members making it come together. Our Editor provides a great recap of the trip at the front of this issue.



on this topic. Our own Marty Papanek, a retired FAA avionics certification specialist, will lead the discussion.

April Chapter Gathering

Our next chapter gathering will be Saturday, April 13. The presentation will be on avionics upgrades. With the ADS-B mandate coming up fast, a lot of folks are thinking about upgrading the panel on their aircraft. Come on out and join us for an interactive discussion

Ray Aviation Scholarship

Early in March, we received great news from EAA headquarters. We applied for and have been selected to administer one of the EAA's Ray Aviation Scholarships. The Ray Scholarship provides a generous flight training scholarship for a young person in our community between the age of 16 and 19. This is an exciting opportunity for our chapter. Be sure to read our Scholarship Coordinator Deena Schwartz's special report in this issue.

Chapter Leadership Academy

As our chapter continues to evolve, one important aspect is to make sure that our board members are provided with the latest training and information from EAA Headquarters. Every few months EAA hosts a Chapter Leader Training Academy in Oshkosh. I am pleased to announce that Justin "JT" Thuma and Deena Schwartz will be representing our chapter at the next training academy session on the weekend of April 12-14, 2019. The training academy provides an opportunity to meet the EAA leadership, strengthen chapter leadership skills and spend time with other chapter leaders from across the country. Thanks to both Justin and Deena for taking the time to attend this event!

As we move into April, I hope that everyone has a great month. Thanks to all who make Galt Airport and EAA Chapter 923 an active and fun community!

Fly safe!

Arnie

Dues over due?

Our Membership Chairman, Chad Genengels has been sending our dues notices. Chad asks that everyone who may have forgotten to pay their dues recently, please get caught up by sending in a check or paying via PayPal. You can go to EAA932.org for membership details.

**Thanks for your
help!**

Pardon our Dust

As you have probably noticed, the PDF version of Galt Traffic is undergoing an update. The intent is to make the newsletter a companion piece to our website, providing readers with more links to information and photos online. There are still tweaks to be made with page layout, fonts and the countless bugs that pop up when changes are made.

As always, your input is encouraged and your patience is appreciated.

The Editor

Galt Traffic News...



Pay it Forward...

EAA Chapter 932 has a bunch of great events scheduled during this year and we can't do it without your help and participation. Lend a hand and make a difference!

Please contact our **Chapter Secretary**, Paul Sedlacek at paul@eaa932.org if you would like to get involved, meet the greatest folks around and be a part of the spirit of aviation. ✈️



Chapter 22 Requests Assistance

Chapter 22 will be hosting the B-17 at Rockford Airport (KRFD) on May C2-5. Mark Grocholl is the co-chairman for the event and is organizing volunteers. There will be having two shifts each day, 8:00am -1:00pm and 12:00pm-5:00pm. If anyone would like to help out, please contact Mark Grocholl at: eaachapter22@gmail.com ✈️

Galt Traffic is published monthly on www.eaa932.org and also electronically distributed in PDF format to approximately 800 readers. You can download current and past issues from the chapter website at www.eaa932.org/newsletters.html. To be added to or removed from the distribution list, please contact editor@eaa932.org.

EAA Chapter 932 is a local chapter of the **Experimental Aircraft Association (EAA)** based at Galt Airport (10C) in Greenwood/Wonder Lake, Illinois. Established in 1989, we are a 501(c)(3) corporation and a registered charity in the State of Illinois (CO#01065208)

EAA (www.eaa.org) is an international organization of members with a wide range of aviation interests, including vintage aircraft, aerobatics, warbirds and amateur builders. EAA Chapter 932 meetings are usually held at Galt Airport on the second Saturday of the month. Check our website for more information about the chapter and events and activities at www.eaa932.org or on Facebook at www.facebook.com/pages/galt-airport-young-eagles/116543021696619

by Deena Schwartz
Scholarship Committee Coordinator

The EAA 932 Scholarship Committee

**Scholarship Committee
Coordinator**

Deena Schwartz

Young Eagles Coordinator

Daniela Knoll

**General/Scholarship Fund
Treasurer**

Justin Thuma

**Nomination/Applications
Advisor**

Justin Cleland, JB Aviation

**Nomination /Applications
Advisor**

Ron Friend, JB Aviation

**Scholarship Advisor
At Large**

Beth Rehm

EAA Chapter 932 approved for the 2019 Ray Aviation Scholarship!

The Ray Aviation Scholarship is a \$10K (max) flight training scholarship awarded to a local chapter for the purpose of helping a local student pilot obtain an initial private pilot certificate. Out of the approximately 900 chapters nationwide, more than 230 chapters applied to be one of the 100 approved chapters for the Ray Aviation Scholarship. Our 932 Chapter is one of the approved chapters!

EAA's main goal is to support a former Young Eagle between the ages of 16 and 19 in the pursuit of their private pilot certificate. As a chapter, we are tasked with bringing forth a passionate, hard-working would-be pilot and supporting him/her during the learning process through completion. There are commitments required by the student and the chapter to make this happen. In partnership with JB Aviation, our chapter's goal is to show the EAA what our community can do.

An ideal candidate for a Ray Scholarship nomination is easy to spot. He/she is that young person who has been an eager young eagle, is at the airport often and is self-motivated, seeking out any experience related to planes/flight, and participates in airport activities and events. The Ray Aviation Scholarship is not limited to those with a financial need. Funding is dependent upon the completion of progress reports and meeting training milestones in a timely manner. The main focus is to find a young person who demonstrates a real passion and commitment for aviation. To apply for the scholarship, the aspiring pilot must be nominated by the chapter.



Because this is the first year for this particular scholarship, the chapter application-to-approval process took a bit longer than expected. Our chapter was fortunate to have been approved. The time from our chapter approval to the deadline for the first round of applications was tight. With good weather ahead of us and the flying season back in swing, the Scholarship Committee nominated Jeff Boyack, a student pilot currently enrolled at JB Aviation.

Jeff is a 17-year-old former Young Eagle who experienced his first flight as a young boy here at Galt. He was motivated to graduate from high school a semester early for the sole purpose of seeking a job at Galt Airport and making time for flight training. He was accepted into Purdue's Aviation program for the Fall 2019 and is working 14 hours a day to pay for his training. Completely committed, Jeff comes in an hour before work to study everyday. His parents are 100% behind his flight training! He has not soloed yet, so that makes him a candidate for the full scholarship.

Now that Jeff has been nominated, he will submit an application to the EAA. Once approved he must obtain his pilot certificate within one year of

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fund disbursement. (We think he will do it by the end of June 2019). When Jeff successfully completes his flight training, the EAA will earmark another scholarship for us for next year. Also, if scholarship funds remain, Jeff will be able to keep \$1500 in his flight training account. All other remaining funds may be made available for another candidate nominated during this same calendar year. ✈️

Ed Moricoli Annual Scholarship

We will continue with the Ed Moricoli Memorial Scholarship. However, we will be skipping this year to build the fund. Our plan is to award this scholarship by March 1, 2020.

EAA932 has a **Donation** button on the website and on the Facebook page for those who would like to donate to the scholarship fund outside of our normal fundraising events.

Once 2020 scholarship funds are secured, we will follow a more formal process by opening scholarship applications for both the **Ray Aviation Scholarship** and the **Ed Moricoli Memorial Scholarship**. Expect to see the applications by October 2019.

Please watch Galt Traffic Newsletters and check out <https://www.eaa.org/en/ea/ea-chapters/ea-chapter-resources/chapter-programs-and-activities/ray-aviation-scholarship-fund> for more information. ✈️

Chapter Gathering

DATE:

Saturday, April 13

TIME:

9:30 AM 'till 11:30 AM

LOCATION:

Studio at Galt Airport

This month...

Upgrading Your Avionics

It is reported that spending on avionics is up over 17% this past year. Much of this is being driven by the rapidly approaching ADS-B deadline. With that in mind, this may also be an opportunity to think about having that additional work done you may have been putting off.

If you're looking into retrofits and/or upgrades to your aircraft's avionics, our own Marty Papanek will be making an interactive presentation using the experiences of an actual flying club to illustrate the entire process. Research, trade off considerations, the bidding process and making final selections will all be highlighted and discussed to assist you in getting all that cool

new stuff installed in your aircraft.

Marty is a retired FAA specialist in avionics certification, so come prepared with questions.

Afterward, you are welcome to join us for a free light lunch of sloppy joe's, mixed greens and salad fixings to suit your taste. Bottled water will be available. ✈️





*It is with great pride and a complete lack of decorum that
Galt Traffic once again presents*

Planes on Posts

Today's offering comes to us by way of our friends at Cottonwood Airport in far away Rockford, IL where they seem to have speared a low flying BD5 with their sign. I'd call it a keeper.

Keep the photos coming! Send your submissions to
editor@eaa932.org

Just in time for April 1st...

Galt FBO adds Passenger Boarding Bridge

Want to fly more when during the winter months? Earlier this year, JB Aviation installed a new passenger boarding bridge that allows pilots and passengers to walk to their aircraft without having to step out into the cold.

The telescoping unit was purchased from Amazon's Airport Parts Department which offered free next-day delivery. An STC allowed the large main wheels normally used to maneuver the unit to be replaced by FAA approved furniture



casters, converting the bridge into something more of a tunnel. Brian Spiro, Head of Maintenance, performed the necessary modifications after receiving 3 days of specialized training at the manufacturer's facility in Cancun.

Airport Manager, Justin Cleland, noted that the tunnel is best used with high wing aircraft, as it encloses the wing when it telescopes out. While owners of low wing models like Pipers and Mooney's are welcome to make use of the extension, he does recommend that they wear soft-soled shoes so as not to leave skuff marks on the wing's surface as they crawl into the aircraft from the wing tip to the door.

Future plans from the forward-thinking team at JB include increasing your boarding comfort by extending a unit from side of the office out to your car. Looking even further into the future, they dream of someday heating what they now call the **Terminal Building.**

Galt Airport Contact Info

5112 Greenwood Rd.
Greenwood/Wonder Lake
Illinois 60097

Websites

galtairport.com
flywithjb.com

Owners

Diane and Claude Sunday
dsunday905@aol.com

Airport Manager

Justin Cleland
815-648-2433
justin@flywithjb.com

Director of Maintenance

Brian Spiro
815-648-2642
maintenance@flywithjb.com

Office

Rebekah Busse
815-648-2433
rebekah@flywithjb.com

Airport Business Hours

8AM to 5PM
Monday thru Sunday



Off the Top of My Head

Cogitations and ruminations from the Editor

Two guys walk up to a barn and ask to see a bomber...

Some stories just seem to fall in my lap. Other times, I feel like a rube who just fell off a passing FS truck 'cause everyone already knows the story but me. And then, there's the kind of story that simply stretches credibility. This story that covers the gamut.

Ever since I took on the duties of editor for Galt Traffic, I get occasional emails from people asking me about what ever happened to the B-17. I had no idea what they were talking about, having been around Galt for less than four years. I turned to a former GT editor who has been around here for something close to forever, Jeff Hill. (Jeff assures me that old editors never die, they just become ghost writers.)

So, for anyone who's ever asked...

Jeff confirmed that, many years ago, a B-17 Flying Fortress had indeed inhabited the grounds at Galt, between the equipment garages and an old EAA chapter building that has since been torn down.

He even knows the owner, Mike Kelner, and made a call. Mike said we were welcome to come down to his place outside of Marengo and check out the progress. That's how Jeff and I found ourselves cruising around in the middle of corn country looking for a barn with a bomber in it.

The story from Mike is that he always wanted a B-17. One day back in 1984, he learned that one had somehow ended up in a scrap yard in Maine. Unfortunately, it had been cut into pieces



Above:

The B-17 sometime in the mid 1980s at Galt Airport

Right:

Originally cut apart into 8 large pieces, the B-17 fuselage as it appears today in Mike Kelner's workshop near Marengo, IL.



Off the Top of My Head continued...

before he got to it. However, Mike is not the kind of guy to let something so minor stand in the way of his dreams. He bought the pieces and hauled them to Galt where the powers-that-were allowed him to park them behind the storage sheds.

A number of years pass and nobody's getting any younger. Mike is itching to restore his prize so in 1995 he buys the farm (appropriate for a decaying bomber) builds an pole barn and moves the remains to its new home near Marengo.



Mike Kelner



Exposed wing ribs with some of the corrugated under-skin that provided additional strength to the structure

Fast forward to last week and two guys are staring through the partially opened door into a sight straight out of the Twilight Zone.

Over the years, Mike and any number of volunteers have spent uncounted hours cleaning, measuring, cutting, drilling, forming, riveting, and, like Jeff and myself, uselessly marveling at the giant hulk in that barn.

To be honest, I don't know what to think about Mike's endeavor. At this pace, it appears to need several lifetimes of restoration work, making my Sonex look like a quick, weekend build. On one hand, I am in awe of the dedication and passion that it takes to accomplish what may appear to be the impossible. On the other hand, we've all seen many misadventures, like the C97 lawn ornament that was once intended to become a restaurant at the Don Q in Dodgeville, as well as the sorry SeaBee in our own back yard. All were once somebody's dream. Who am I to question the motivations and drive of those dreamers? I do believe that the world is better off with them in it.

One thing is for certain though. As is inevitable with most home-built projects, when that Flying Fortress is completed, it ain't gonna fit through the door.

If you would like more information on the B-17 or are interested in volunteering time to help with the restoration, Mike said you can contact him directly at: b173man@gmail.com

Click here for more photos of our visit to Mike Kelner's B-17 restoration

The B-17 restoration's Facebook page



Wing section with engine nacelles



Tail gunner's compartment

In Memoriam



It is with sadness and a deep sense of loss that the Chapter learned of the passing of one of our own, our friend, Jo Murray.

She will be warmly remembered by anyone who had the pleasure of working alongside her. Jo's was the friendly face that greeted guests at so many EAA 932 events over the years. With Jo keeping track of sales and tallying the money, you could be assured that everything would balance at the end of the day.

Our deepest sympathy to our own Ed Brown, Jo's longtime companion, and to her family from all her friends at EAA Chapter 932.

EAA 932 member, Beth Genengels freely allows this newsletter and the Chapter's website use of photos she takes at chapter events. We thank her for her contribution and encourage our members to support each other's endeavors when ever possible.

EAA Chapter 932 Calendar

April 13: Panel/Avionics Upgrades with Marty Papanek

May 11: Young Eagles Rally

May 25: APA/ALPA Fly-in and Family Breakfast

June 15: Barnstormers' Day!

July 13: Young Eagles Rally

Aug 10: Chapter Gathering - TBD

Sept. 14: Chapter Gathering - TBD

Oct 5: Planes 'n Puppies

Oct 12: Chapter Gathering - TBD

Nov 9: Chapter Gathering - TBD

